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(54) Title: PATHOGEN REDUCTION USING CHLORAMINES

(57) Abstract: A method and apparatus for implementing pathogen reduction within a poultry processing or food processing plant that uses water that has been treated with chloramines at an advantageous dosage before being introduced to the production process at processing steps. The water treated with chloramines may be from a fresh water source or reclaimed water from the processing plant. The reintroduction of the treated reclaimed water advantageously causes a dramatic reduction in the levels of microorganisms associated with poultry processing, while substantially conserving water use.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/21577

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C02F 1/76  
 US CL : 210/754

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 U.S. : Please See Continuation Sheet

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
 None

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 None

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,879,732 A (CARACCIOLLO et al.) 09 March 1999, col. 7 line 37 through col. 12 line 40	1-29, 31-46
Y	US 5,902,619 A (RUBOW et al.) 11 May 1999, col. 2 line 64 through col. 3 line 37, Example 3	1-46
Y	US 6,398,965 B1 (ARBA et al.) 04 June 2002, col. 2 line 61 through col. 3 line 15	2-6,10-15,18-26,32-37,39-42,44-46
Y	US 6,120,812 A (HARVEY et al.) 19 September 2000, col. 1 line 59 through col. 4 line 30	30
Y	US 6,245,210 B1 (NAKAMURA et al.) 12 June 2001, col. 1 line 6 through col 2 line 60, col. 8 lines 5-67	30
Y, E	US 6,605,253 B1 (PERKINS) 12 August 2003, col. 9 line 23 through col. 14 line 26	1-46

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	
"A"	document defining the general state of the art which is not considered to be of particular relevance
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"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&"	document member of the same patent family

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**Continuation of B. FIELDS SEARCHED Item 1:**  
210/754, 760, 764, 765, 766, 181, 195.1, 199, 202, 206; 99/536; 422/20, 28, 37; 426/66, 235, 318, 320, 321, 326, 332, 335, 524